



DR. RUSSELL T. JORDAN

CURRICULUM VITAE

June 12, 1990

ABSTRACT

Dr. Russell T. Jordan is President and Coordinator for Clinical Services of Medical Consultants Exchange, Inc. Dr. Jordan graduated from the University of Michigan at the Medical Center, with specialties in Microbiology and Virology, after which he was a post doctoral Senior Research Fellow in Immunochemistry at the California Institute of Technology, Pasadena, California. He was appointed chairman of the Department of Microbiology at City of Hope Medical Center, Duarte, California, and has served as Clinical Assistant Professor, Infectious Diseases, University of California, School of Medicine, Los Angeles, and Assistant Professor, Department of Microbiology, University of Michigan, School of Medicine. He has served as a Director of Research, Charles F. Kettering Laboratory, Yellow Springs, Ohio, and Vice President for Science and Technology, Charles F. Kettering Foundation, Dayton, Ohio. Dr. Jordan has served as president and director, Research and Laboratories, Biomedical Research Laboratories, Division of Bio-Organic Chemicals, Inc., Denver, Colorado; as Chief, Department of Experimental Immunology, National Jewish Hospital, Denver, Colorado; and as Affiliate Professor of Microbiology, University of Colorado Medical School, Denver, Colorado. Dr. Jordan was also Chief of Space Biomedical Research for the Martin Marietta Corporation. He has received several awards and honors. Among them are the F.G. Novy Award, University of Michigan, "for research and academic excellence"; the H.R. Rackham Research Fellow, University of Michigan, "for outstanding contributions to the field of virology" and a recognition as a Distinguished Lecturer of the American Chemical Society. He has authored and has had published more than 90 articles in various scientific publications since 1951. He has been elected to the following scientific and professional organizations whose memberships are based on recognition in the scientific and academic communities:

RECEIVED A

NOV 27 2001

TECH CENTER 1600/2900

Aerospace Medical Association
American Association for Cancer Research
American Association of Immunologists, The
American Society for Cell Biology, The
American Society of Clinical Pathologists
Federation of American Societies for Experimental
Immunology

Sigma Xi
Society for Experimental Biology and Medicine, The
Tissue Culture Association, The

Name: Russell T. Jordan

POSITIONS NOW HELD

Name of Corporation:	Medical Consultants Exchange, Incorporated 1809 Indian Meadows Lane Fort Collins, Colorado 80525
Title Now Held:	Director of Research and Coordinator for Clinical Services
Other Appointments Now Held	Adjunct/Clinical Professor Department of Biochemistry University of Nevada - Reno Reno, Nevada 89500 Visiting Scientist, Stanford Research International, Menlo Park, California 94025

EDUCATION AND EXPERIENCE

	1950 - M.S. University of Arkansas, School of Medicine.
	1953 - PhD., University of Michigan (Microbiology-Virology)
Other Graduate:	1958 - 1960 Research Fellow In Immuno-Chemistry Division of Chemistry and Chemical Engineering California Institute of Technology Pasadena, California

APPOINTMENTS

1953 - 1955	Assistant Professor, Department of Bacteriology University of Michigan
1955 - 1960	Chairman, Department of Micro- biology City of Hope Medical Center Duarte, California Lecturer in Virology in Depart- ment of Bacteriology University of California, Los Angeles Clinical Assistant Professor of Infectious Diseases University of California School of Medicine Los Angeles, California
1960 - 1963	Chief, Department of Experimental Immunology National Jewish Hospital Denver, Colorado
1960 - 1964	Associate Director, USPHS sponsored summer course in Methods and Principles of Tissue Culture University of Wisconsin Madison, Wisconsin
1963 - 1967	President: Biomedical Research Laboratories Division of Bio-Organic Chemicals, Inc. Denver, Colorado Director: Research and Laboratories
1967 - 1971	Chief, Space Biomedical Re- search Laboratories Martin Marietta Corporation Denver, Colorado 80201
1970 - 1973	Vice President, Science and Technology Charles F. Kettering Foundation

Vice President, Kettering Scientific Research Inc.

Director, Research and Laboratories
Charles F. Kettering Foundation
Research Laboratory
Yellow Springs, Ohio
Board of Directors

1971 - 1973

The Marianne Fostig Center of
Educational Therapy Devoted to
Children with Learning
Disabilities
5981 Venice Blvd.
Los Angeles, California 90034

1972 - 1975

President and Chairman of The
Board of Directors,

Vipont Chemical Company
Vipont Laboratories, Inc.,
Fort Collins, CO.

1975 - 1983

Director of Research and Co-
ordinator of Clinical Services,

Chemex Pharmaceuticals, Inc.,
Fort Collins, CO.

1973 - 1975

Board of Trustees

National Patent Council, Inc.
Washington D.C. 20036

Professional:

American Association for Cancer
Research
American Association of Immuno-
logists
American Society of Cell
Biologists
American Tissue Culture
Association
Sigma Xi
Society for Experimental Biology
and Medicine

Honors:

The Frederick G. Novy Award
"For Research and Academic
Excellence"
University of Michigan, 1952

The Horace H. Rackham Research
Fellow
University of Michigan, 1953

Nominee: "Engineer of the Year"
Martin Marietta Corporation, 1970

Distinguished Lecturer
American Chemical Society, 1970
ACS Tour Speaker

Academy Forum, First of a Series,
How Safe is Safe?

How Safe is Safe? The Design of
Policy on Drugs and Food Additives,
National Academy of Sciences,
Washington, D.C. Academy Forum,
First of a Series, Invited Discussant,
1974.

CERTIFICATION AND SPECIAL LICENSES

Certified (ASMT) member of the American Society of Clinical
Pathologists. Certificate number 14489

Pilot License - No. 1546567

Patents Assigned: 5
Applied for: 5

Government Agency Security Clearance:
Defense Industrial Security
Clearance - Secret

PUBLICATIONS

Jordan, R.T.: I. The Interference Phenomenon Between
Animal Viruses. II. Interference Between SLE and
WEE Viruses Along Neuronal Pathways. Thesis pp. 1-74,
1951. The University of Arkansas School of Medicine
Library, Little Rock, Arkansas.

Jordan, R.T. and Duffy, C.E.: Interference Between St.
Louis Encephalitis Virus and Western Equine
Encephalomyelitis Virus Along a Neuronal Pathway.
J. Infec. Dis. 91: 165-172, 1952.

- Duffy, C.E. and Jordan, R.T.: Effect of Multiple Inoculations on Interference Between St. Louis Encephalitis Virus and Equine Encephalomyelitis Virus. Proc. Soc. Exp. Biol. and Med. 30: 279-281, 1952.
- Jordan, R.T.: The Novy Rat Virus: Its Recovery and Characterization. Thesis pp. 1-80, 1952. The University of Michigan Press, Ann Arbor, Michigan.
- Jordan, R.T., Preston, W.S., and Nungester, W.J.: Recovery of the Novy Virus. J. Infect. Dis. 93: 124-129, 1953.
- Jordan, R.T.: The Utilization of Cobalt-60 in the Sterilization of Bone for Transplantation, 41st Conference on Infectious Diseases, University of California Press, Los Angeles, 8-15, June, 1955.
- Jordan, R.T.: Modern Concepts and New Developments in Antimicrobial Treatment, "Diseases of the Chest", symposium sponsored by the American College of Chest Physicians, 18: 27. December, 1955.
- Jordan, R.T.: Inactivation of Animal Viruses and Sterilization of Biologicals Intended for Human Use by Gamma Radiation from Cobalt-60. Clinical Research Proc. 4: 65, 1956.
- Jordan, R.T.: Animal Diseases of Importance to Man. Bulletin of the Orange County Veterinary Medical Assn. 9: 6-18, July, 1956.
- Jordan, R.T.: Viruses in Leukemia, "New Developments on the Diagnoses and Management of Cancer" in Post Graduate Medicine, Published by City of Hope Medical Center, Duarte, California, November, 1956.
- Jordan, R.T. and Kempe, L.L.: Inactivation of Some Animal Viruses with Gamma Radiation from Cobalt-60. Proc. Soc. Exp. Biol. and Med. 91: 212-215, 1956.
- Jordan, R.T.: Recent Advances in Leukemia Research. I.A Unifying Concept on the Etiology of Neoplasms. Symposium supported by U.S.P.H.S., City of Hope Medical Center, Duarte, California, May, 1957.
- Jordan, R.T.: Leukemia in Mice Following Nasal Instillation of Cell-Free Tumor Filtrates. 5th All-University Virology Conference, University of California, School of Vet. Medicine Davis, California, October, 1957.

- Jordan, R.T.: Virus Induced Leukemias - in Post Graduate Medicine published by the City of Hope Medical Center, Duarte, California, 4-16, October, 1957.
- Jordan, R.T. and Kempe, L.L.: Virus Inactivation with Gamma Radiation from Cobalt-60. Hepatitis Frontiers 29: 343-354, 1957. Little, Brown and Co., Publishers, Boston.
- Hill, B.R. and Jordan, R.T.: Serum Lactic Dehydrogenase Activity in Mice with Transplantable Leukemia. Cancer Research 17: 144-147, February, 1957.
- Ohno, S., Jordan, R.T., and Kinoshita, R.: Chromosomes of Lymphocytic Neoplasm of Strain AKR Mice. Proc. Amer. Assoc., Cancer Research 2: 236, March, 1957.
- Jordan, R.T. and Ohno, S.: Comparative Pathological Changes in AKR Mice Following Intranasal Instillation of Tumor Cells and Streptococci. Cancer Research 18 47-50, January, 1958.
- Jordan, R.T., Rasmussen, A.F., and Bierman, H.R.: Effect of Group A Streptococci on Transplantable Leukemia of Mice. Cancer Research 18: 943, 1958.
- Jordan, R.T.: An Antibody-like Substance in the Ascitic Fluid of Isoimmunized Mice. Proc. Am. Assn. for Cancer Research, 3: 31, 1959.
- Jordan, R.T.: Isoantibodies in AK Leukemia of Mice. Current Concepts in Leukemia, 34th Ross Pediatric Research Conference, 1959.
- Jordan, R.T. and Trapani, I.L.: I. Antibodies in the Ascitic Fluid of Rabbits, Mice, and Guinea Pigs after Intraperitoneal Injection of a Bacterial-Oil Adjuvant. II. Remote Specific Antibody Formation in the Ascitic Fluid of Rabbits, Mice and Guinea Pigs Previously Immunized by Intravenous Methods. Chemistry and Chemical Engineering. Calif. Inst. of Tech., 103-104, 1959.
- Jordan, R.T.: Immunological Studies on Spontaneous Leukemia of AKR Mice. Chemistry and Chemical Engineering, Calif. Inst. of Tech. 104, 1959.
- Jordan, R.T. and Campbell, Dan H.: Comparative Electrophoretic Studies of Serum and Ascitic Fluid Proteins in AKR Mice Chemistry and Chemical Engineering, Calif. Inst. of Tech., Ann. Res. Rep., 104-105, 1960.

- Jordan, R.T., Middlebrook, G., and Coleman, C.M.: Physico-Chemical and Biological Properties of Tumor Inducing Component (s) of Neoplastic Cells Grown in vitro. Proc. Am. Assn. for Cancer Research, 3: 239, 1961.
- Jordan, R.T., Banovitz, J., Trapani, I.L., and Campbell, Dan H.: Identification of Antibody in B2-Globulins of Mouse Serum and Ascitic Fluid, Nature, 192: 885-886, December, 1961.
- Jordan, R.T., Katsch, S., and de Stackelburgh, N.: Spermatocytogenesis with Possible Spermiogenesis of Guinea Pig Testicular Cells Grown in vitro. Nature, 192: 1053-1055, December, 1961.
- Katsh, S., and Jordan, R.T.: Antigenicity of Guinea Pig Testicular Cells Grown in Cell Culture as Determined by the Isolated Ileum Technique, Nature, 192: 770-771. November, 1961.
- Katsh, S., and Jordan, R.T.: Aspermatogenesis in the Guinea Pig Induced by Injection of Cell Cultures of Homologous Testis Int. Arch. Allergy, 21: 163-171, 1962.
- Jordan, R.T., Banovitz, J., Trapani, I.L., and Campbell, Dan H.: Electrophoretic Analysis of Serum and Ascitic Fluid Proteins from Immunized and Non-Immunized Mice. The Journal of Immunology, 88: 314-319, March, 1962.
- Trapani, I.L., Jordan, R.T.: Antibody Formation in Rabbits Adapted to High Altitude. Federation Proceedings, 21: No. 2, March-April, 1962.
- Cooper, W.G., and Jordan, R.T.: The Effects of Time in Culture and Antibody on the Mean Cell Volume, Size Distribution, and Generation Time of in vitro. Populations of an AKR Lymphoma Cell. The Jour. of Cell Biol., 19: 16, November, 1963.
- Cooper, W.G., and Jordan, R.T.: A Cinephotomicrographic Analysis of the in vitro Behavior and Growth Characteristics of an AKR Mouse Lymphoma Cell in the Presence and Absence of Specific Immune Serum. Jour. of Cell Biol., 19: 16, November, 1963.
- Banovitz, J., Jordan, R.T., and Trapani, I.L.: Electrophoretic Analysis of Serum and Pleuroperitoneal Fluid Proteins and Antibody from Guinea Pigs. Nature, 197: , 704-705, February, 1963.

- Jordan, R.T.: The Novy Virus and Related Neurotropic Viruses, In Diseases of Laboratory Animals, Robt. J. Flynn, Ed., Argonne, Illinois, in press.
- Jordan, R.T.: Contamination Distribution by an Extravehicular Astronaut (EVA) on the Lunar Surface, MMC, No. P-68-11, pp. 1-50, January, 1968.
- Jordan, R.T.: Investigation of Spacecraft Materials that Support Growth of Microorganisms, MMC, No. P-68-84, pp. 1-37, May, 1968.
- Jordan, R.T.: Parametric Analysis of Time-Temperature and Pressure for Sterilization Criteria of the Apollo Lunar Hand Tools and Lunar Samples, MMC, No. P-68-172, pp. 1-48, October, 1968.
- Jordan, R.T.: The Use of Soluble Substrates in Microbiological Assay. A New Dimension in Quality Control, Annual Technical Conference Transactions, American Society for Quality Control, 23rd Annual Technical Conference, p. 127, 1969.
- Jordan, R.T.: Industrial Microbiological Applications in ZeroGravity. A Vaccine Satellite Program (VACSAT) Space Processing and Manufacturing, George C. Marshall Spaceflight Center, NASA Document ME-69-1, pp. 238-251, October, 1969.
- Jordan, R.T.: A Medical and Paramedical Investigation of Man in a Closed Ecological Environment, Vol. I, Program Requirements and Experimental Design, MCR-70-227, 340 pages, June 1970, prepared for NASA, Manned Spacecraft Center Houston, Texas.
- Jordan, R.T.: Development of a Prototype Microbiological Laboratory Module, Vol. I, II. MMC P-70-88, pp. 1-55, June 1970.
- Jordan, R.T.: Medical Analysis in Spacecraft Ecology (MAISE), MSC-02727, NAS8-24000, pp. 1-110, August, 1970.
- Jordan, R.T.: Man in Space. Survival in Zero G. Distinguished Lecture Series, American Chemical Society, October, 1970.
- Jordan, R.T.: Earth Orbital Systems and Biomedical Research Space Shuttle Payloads, Science and Technology Series, American Astronautical Society, ISBN87703-063-4, Ed. by G.W. Morganthaler and W.J. Bursnall, Vol. 30, pp. 109-140, 1973.

Participation in Recent Forums and Symposia

Space Shuttle Payloads, American Astronautical Society, Joint Symposium Annual Meeting, American Association for the Advancement of Science, Washington, D.C. 1972.

Academy Form, National Academy of Sciences, How Safe is Safe? The Design of Policy on Drugs and Food Additives, National Academy of Sciences, Washington, D.C., 1973.

Confidential Intramural Reports August, 1963 - February, 1971

Jordan, R.T., and Pull, B.T.: Cytotoxicity of Selected AntiTumor Agents in Normal Human and Animal Cells in Primary Tissue Cultures. August, 1963.

Jordan, R.T.: The Correlation of Chemical Structure with Growth Inhibiting and Growth Promoting Effects in Tissue Culture. December, 1963.

Jordan, R.T.: A Sequential Multi-step Method for Integral Coating of Macromolecules with Organic and Inorganic Materials. March, 1964.

Jordan, R.T.: The Study of Chemically Defined Morphogenic Inhibitors on Specific Sites of Differentiating Testicular Cells Grown in vitro, May, 1964.

Jordan, R.T.: Enzyme Changes in Differentiating Guinea Pig Testicular Cells Grown in Cell Cultures. August, 1964.

Jordan, R.T.: Qualitative and Quantitative Analysis of Hormone Secreting Guinea Pig Endocrine Cells Grown in Tissue Culture October, 1964.

Jordan, R.T.: The Correlation of Clonal Characteristics and Antigenic Properties of Neoplastic Stem Cells Grown in vitro December, 1965.

Jordan, R.T.: Cytochemical and Physico-Chemical Evidence for the Production of Extracellular DNA in Guinea Pig Testicular Cells Continuously Propagated in Tissue Culture January, 1966.

Jordan, R.T.: The Effect of Cytostatics (Antimetabolites and Alkylating Agents) on Immunological Reactivity of Single Cells in Culture. March, 1966.

Jordan, R.T.: Cytostatic and Cytolytic Effect of Newcastle Disease Virus on Monodispersed AKR Lymphoma Cells Grown in vitro. April, 1966.

Jordan, R.T.: The J-AKL Leukemia Cell in Free-Form Mono-dispersed Cultures as a Rapid Screen for Combined Chemo and Immunotherapy Studies. July, 1966.

*Some of these reports tied to "patent pending" applications. The papers, therefore, are cited by "Title" only.

Dr. R.T. Jordan has published eighteen (18) classified Intramural Reports.

Nourse, W. L., Parkhurst, R. M., Skinner, W. A., and Jordan, R. T.: Photodynamic Toxicity of Porphyrins and Chlorins for a Human Tumor Cell Line: Combined Light and Concentration Dose Responses for the Retained Fraction. Biochemical and Biophysical Research Communications, 151, No. 1, 506-511, 1988.